

AIDS Surveillance Quarterly Report

Hawai'i Department of Health

Cases to March 31, 1999

AIDS IN HAWAI'I	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
Cases by year of report	630	194	131	373	238	222	192	98	168	21	2,267	100%

SEX	Male	610	186	123	349	223	209	171	87	151	21	2,130	94%
	Female	20	8	8	24	15	13	21	11	17	0	137	6%

AGE	<13	2	5	0	4	2	0	1	0	1	0	15	1%
	13-19	1	0	0	3	1	0	0	1	1	0	7	<1%
	20-29	115	32	20	44	26	19	27	5	14	1	303	13%
	30-39	281	83	54	165	116	95	81	44	82	8	1,009	45%
	40-49	172	55	36	118	61	80	69	30	49	7	677	30%
	>49	59	19	21	39	32	28	14	18	21	5	256	11%

RACE	Caucasian	459	133	85	225	140	143	103	47	101	14	1,450	64%
	Asian/Pacific Islander	121	46	37	108	75	50	70	42	42	6	597	26%
	African-American	21	7	5	17	10	13	9	3	9	1	95	4%
	Hispanic	25	8	4	21	11	16	10	6	13	0	114	5%
	American Indian/Alaskan	4	0	0	2	2	0	0	0	3	0	11	<1%

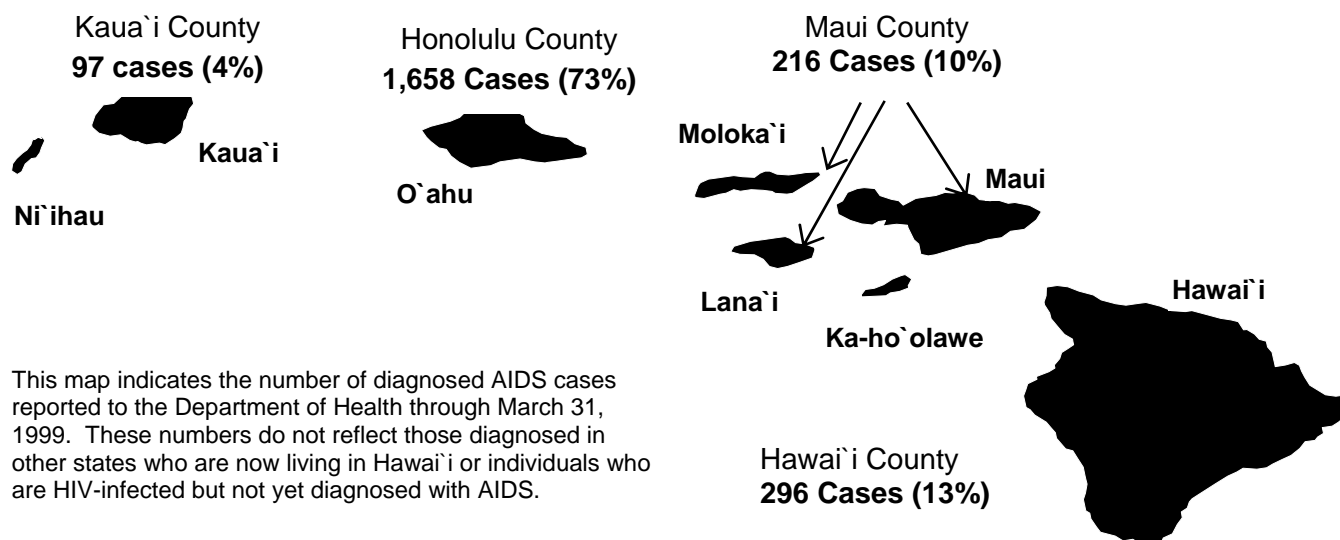
RISK	Male to Male Sex	508	157	102	294	185	165	132	66	116	13	1,738	77%
	Injection Drug Use	30	10	12	28	12	22	14	10	18	0	156	7%
	Male/Male Sex & IDU	60	15	9	17	15	15	16	5	4	3	159	7%
	Female Heterosexual	6	2	4	18	7	6	14	7	7	0	71	3%
	Male Heterosexual	4	1	2	7	5	4	3	3	4	0	33	1%
	Transfusion	10	2	1	1	3	0	2	2	3	0	24	1%
	Perinatal	1	5	0	2	2	0	1	0	1	0	12	<1%
	Hemophiliac	5	1	1	5	1	2	2	1	1	0	19	<1%
	Undetermined	6	1	0	1	8	8	8	4	14	5	55	2%

Year of report	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
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*Note: 1993 and after reflect the expanded CDC case definition for AIDS, which includes HIV infection and low CD4 values (<200/ μ l or <14% of total lymphocytes) or three new clinical conditions — pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer in addition to the 23 original clinical conditions.

AIDS Surveillance Program, 3627 Kilauea Avenue Room 306, Honolulu, Hawaii 96816, (808) 733-9010, 733-9015 (Fax)

County Report Cumulative Cases (1982 – March 31, 1999)



Cumulative Hawai'i AIDS cases reported 1982 to March 31, 1999	2,267
Known Deaths (%)	1,392 (61%)

AIDS Cases by County: Five-year (April 1994 - March 1999) and Cumulative Total (1982 – March 1999)

County		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide	
		5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total
		No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
SEX	Male	582 (92)	1,562 (94)	101 (90)	271 (92)	101 (93)	206 (95)	30 (91)	91 (94)	814 (92)	2,130 (94)
	Female	53 (8)	96 (6)	11 (10)	25 (8)	8 (7)	10 (5)	3 (9)	6 (6)	75 (8)	137 (6)

RISK	Male to Male Sex	452 (71)	1,289 (78)	78 (70)	206 (70)	84 (77)	167 (77)	24 (73)	76 (78)	638 (72)	1,738 (77)
	Injection Drug Use	57 (9)	108 (7)	9 (8)	32 (11)	6 (6)	9 (4)	3 (9)	7 (7)	75 (8)	156 (7)
	Male/Male Sex & IDU	40 (6)	108 (7)	9 (8)	26 (9)	5 (5)	22 (10)	0 (0)	3 (3)	54 (6)	159 (7)
	Heterosexual Contact	39 (6)	72 (4)	8 (7)	18 (6)	6 (6)	8 (4)	2 (6)	6 (6)	55 (6)	104 (5)
	Transfusion	5 (1)	18 (1)	2 (2)	3 (1)	1 (1)	1 (0)	1 (3)	2 (2)	9 (1)	24 (1)
	Perinatal	4 (1)	10 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	4 (0)	12 (<1)
	Hemophiliac	5 (1)	13 (1)	1 (1)	4 (1)	1 (1)	2 (1)	0 (0)	0 (0)	7 (1)	19 (<1)
	Undetermined	33 (5)	40 (2)	5 (4)	5 (2)	6 (6)	7 (3)	3 (9)	3 (3)	47 (5)	55 (2)
Total Cases		635	1,658	112	296	109	216	33	97	889	2,267

4/1994 to 3/1999 cases and (%)	635 (71)	112 (13)	109 (12)	33 (4)	889 (100)
Cumulative cases and (%)	1,658 (73)	296 (13)	216 (10)	97 (4)	2,267 (100)
% of population	(75)	(11)	(9)	(5)	(100)

AIDS Cases by Race/Ethnicity Five-Year (April 1994– March 1999)

Race/Ethnicity	Caucasian No. (%)	African American No. (%)	Hispanic No. (%)	Amer.Indian /Alaskan No. (%)	Hawaiian/ Pt. Haw. No. (%)	Filipino No. (%)	Chinese No. (%)	Japanese No. (%)	Other A/PI No. (%)	Total Cases No. (%)
5 year average reporting rate per 100,000 ¹	27.7	29.4	13.0	19.6	14.0	6.3	6.4	4.0	18.5	16.0

5 Year Cases %	512 (58)	40 (4)	53 (6)	5 (1)	97 (11)	53 (6)	22 (2)	50 (6)	57 (6)	889 (100)
Cumulative Cases (%)	1450 (64)	95 (4)	114 (5)	11 (0)	230 (10)	113 (5)	49 (2)	104 (5)	101 (4)	2,267(100)

S E X	Male	480 (94)	38 (95)	48 (91)	5 (100)	81 (84)	45 (85)	20 (91)	49 (98)	48 (84)	814 (92)
	Female	32 (6)	2 (5)	5 (9)	0 (0)	16 (16)	8 (15)	2 (9)	1 (2)	9 (16)	75 (8)

R I S K	Male to Male Sex	381 (74)	22 (55)	38 (72)	3 (60)	66 (68)	36 (68)	18 (82)	35 (70)	39 (68)	638 (72)
	Injection Drug Use	37 (7)	4 (10)	10 (19)	0 (0)	8 (8)	5 (9)	2 (9)	3 (6)	6 (11)	75 (8)
	Male/Male Sex & IDU	39 (8)	4 (10)	1 (2)	1 (20)	5 (5)	2 (4)	0 (0)	2 (4)	0 (0)	54 (6)
	Female Heterosexual	17 (3)	1 (3)	3 (6)	0 (0)	7 (7)	4 (8)	1 (5)	0 (0)	6 (11)	39 (4)
	Male Heterosexual	7 (1)	2 (5)	0 (0)	0 (0)	3 (3)	0 (0)	0 (0)	1 (2)	3 (5)	16 (2)
	Transfusion	4 (1)	1 (3)	0 (0)	0 (0)	2 (2)	1 (2)	0 (0)	1 (2)	0 (0)	9 (1)
	Perinatal	0 (0)	0 (0)	0 (0)	0 (0)	3 (3)	0 (0)	0 (0)	0 (0)	1 (2)	4 (0)
	Hemophiliac	2 (0)	1 (3)	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	3 (6)	0 (0)	7 (1)
	Undetermined	25 (5)	5 (13)	1 (2)	1 (20)	2 (2)	5 (9)	1 (5)	5 (10)	2 (4)	47 (5)
5 Year Total Cases		512	40	53	5	97	53	22	50	57	889

¹1990 U.S. Census figures were used to calculate race-specific reporting rates for this five year period (1994-1998). There were five AIDS cases for American Indian/Alaskan in 1994-1998 period.

Requirement. *AIDS case reporting is required by Hawai'i Revised Statutes (HRS) §325-2 and Hawaii new Administrative Rules §11-156-3 for low CD4 values (<200µl/ml or <14% of total lymphocytes). Reporting by name is required at the time a person is diagnosed with AIDS as defined by the Centers for Disease Control and Prevention (revised in January 1993). Information is collected for the advancement of epidemiologic knowledge and handled in strictest confidence in accordance with HRS §325-101. Names and other identifiers are not released. Those required to report include physicians, nurses, infection control practitioners, medical directors, and hospitals. HIV infection in itself is not required to be reported to the Department of Health.*

Questions regarding forms, reporting requirements, or this report may be directed to the AIDS Surveillance Program at (808) 733-9010 or (808) 733-9015 (fax).

AIDS Cases by Age at Diagnosis

Cumulative Cases Reported from 1982 to March 1999

Characteristic	Pediatrics <13 years old		Adolescents 13-19 years old		20-24 years old		Over 24 years old	
	No.	%	No.	%	No.	%	No.	%
Male	10	67	7	100	51	88	2,062	94
Female	5	33	0	0	7	12	125	6
Race								
Caucasian	3	20	1	14	27	47	1,419	65
African-American	0	0	0	0	2	3	93	4
Hispanic	1	7	0	0	7	12	106	5
Asian/Pacific islander	11	73	6	86	21	36	559	26
<i>Hawaiian</i>	4	27	3	43	9	16	214	10
<i>Filipino</i>	2	13	0	0	4	7	107	5
<i>Other API</i>	5	33	3	43	8	14	238	11
American Indian/Alaskan	0	0	0	0	1	2	10	0
County								
Honolulu Co.	12	80	5	71	38	66	1,603	73
Hawai'i Co.	3	20	1	14	13	22	279	13
Maui Co.	0	0	1	14	6	10	209	10
Kaua'i Co.	0	0	0	0	1	2	96	4
Risk Behaviors								
Male to Male Sex	0	0	3	43	36	62	1,699	78
Injection Drug Use	0	0	0	0	4	7	152	7
Male/Male Sex & IDU	0	0	0	0	8	14	151	7
Heterosexual	0	0	0	0	6	10	98	4
Hemophilia	2	13	4	57	2	3	11	1
Perinatal	12	80	0	0	0	0	0	0
Transfusion	1	7	0	0	0	0	23	1
Risk not reported/Other	0	0	0	0	2	3	53	2
Total	15	100	7	100	58	100	2,187	100

Individuals or organizations can be added to the mailing list to receive a free copy of the Hawaii AIDS Surveillance Quarterly Report by writing to the Hawai'i Department of Health, STD/AIDS Prevention Branch, 3627 Kilauea Avenue, Room 306, Honolulu, HI 96816 or calling (808) 733-9010. Copies of the Hawai'i AIDS Surveillance Report also are accessible via the Internet at:

http://www.state.hi.us/doh/resource/comm_dis/std_aids/aids_rep/index.html

AIDS Surveillance Quarterly Report

Hawai'i Department of Health

Cases to June 30, 1999

AIDS IN HAWAII	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
Cases by year of report	630	194	131	373	238	222	192	98	167	45	2290	100%

SEX	Male	610	186	123	349	223	209	171	87	150	45	2,153	94%
	Female	20	8	8	24	15	13	21	11	17	0	137	6%

AGE	<13	2	5	0	4	2	0	1	0	1	0	15	<1%
	13-19	1	0	0	3	1	0	0	1	1	0	7	<1%
	20-29	115	32	20	44	26	19	27	5	13	2	303	13%
	30-39	281	83	54	165	116	95	81	44	82	20	1,021	45%
	40-49	172	55	36	118	61	80	69	30	49	16	686	30%
	>49	59	19	21	39	32	28	14	18	21	7	258	11%

RACE	Caucasian	459	133	85	225	140	143	103	47	101	26	1,462	64%
	Asian/Pacific Islander	121	46	37	108	75	50	70	42	41	14	604	26%
	African-American	21	7	5	17	10	13	9	3	9	3	97	4%
	Hispanic	25	8	4	21	11	16	10	6	13	2	116	5%
	American Indian/Alaskan	4	0	0	2	2	0	0	0	3	0	11	<1%

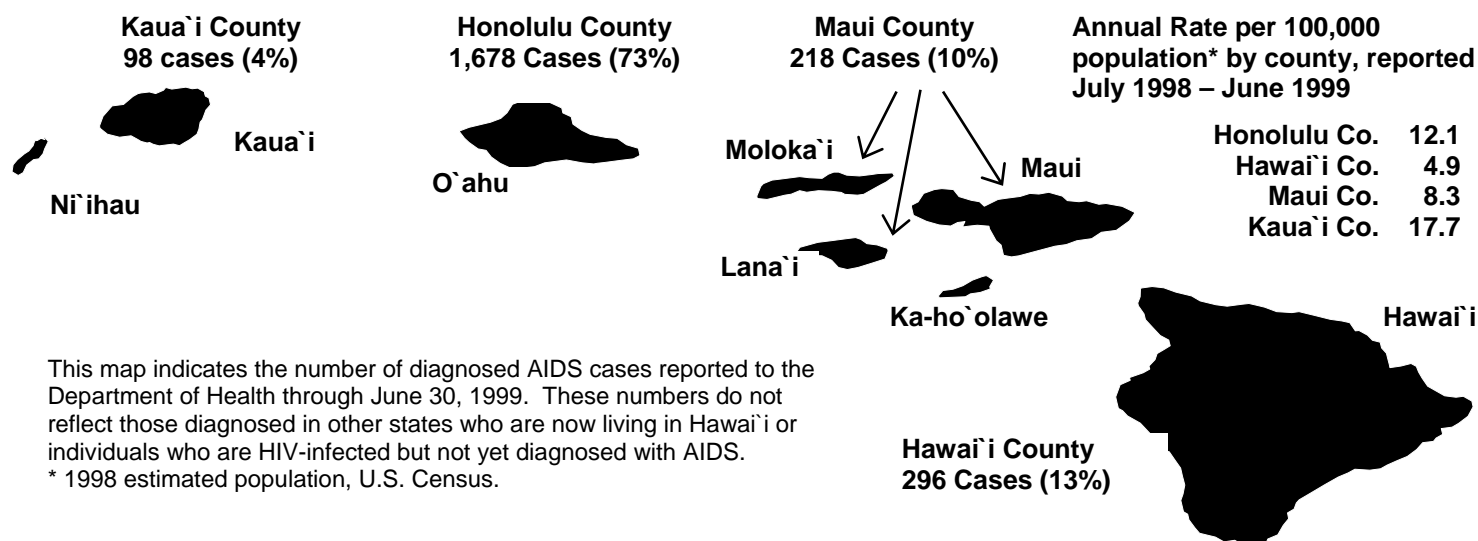
RISK	Male to Male Sex	508	157	102	294	185	165	132	66	116	29	1,754	77%
	Injection Drug Use	30	10	12	28	12	22	14	10	19	1	158	7%
	Male/Male Sex & IDU	60	15	9	17	15	15	16	5	4	5	161	7%
	Female Heterosexual	6	2	4	18	7	6	14	8	8	0	73	3%
	Male Heterosexual	4	1	2	7	5	4	3	3	4	1	34	1%
	Transfusion	10	2	1	1	3	0	2	2	3	0	24	1%
	Perinatal	1	5	0	2	2	0	1	0	1	0	12	<1%
	Hemophiliac	5	1	1	5	1	2	2	1	1	0	19	<1%
	Undetermined	6	1	0	1	8	8	8	3	11	9	55	2%

Year of report	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
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*Note: 1993 and after reflect the expanded CDC case definition for AIDS, which includes HIV infection and low CD4 values (<200/ μ l or <14% of total lymphocytes) or three new clinical conditions — pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer in addition to the 23 original clinical conditions.

County Report

Cumulative Cases (1982 – June 30, 1999)



Cumulative Hawai'i AIDS cases reported 1982 to June 30, 1999	2,290	Known Deaths (%)	1,398 (61%)
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AIDS Cases by County: Five-year (July 1994 - June 1999) and Cumulative Total (1982 – June 1999)

County		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co		Statewide	
		5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total
		No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
SEX	Male	581 (92)	1,582 (94)	98 (90)	271 (92)	101 (93)	208 (95)	31 (91)	92 (94)	811 (92)	2,153 (94)
	Female	50 (8)	96 (6)	11 (10)	25 (8)	8 (7)	10 (5)	3 (9)	6 (6)	72 (8)	137 (6)

RISK	Male to Male Sex	449 (71)	1,302 (78)	75 (69)	206 (70)	84 (77)	169 (78)	25 (74)	77 (79)	633 (72)	1,754 (77)
	Injection Drug Use	56 (9)	109 (6)	9 (8)	32 (11)	7 (6)	10 (5)	3 (9)	7 (7)	75 (8)	158 (7)
	Male/Male Sex & IDU	38 (6)	110 (7)	9 (8)	26 (9)	5 (5)	22 (10)	0 (0)	3 (3)	52 (6)	161 (7)
	Heterosexual Contact	40 (6)	74 (4)	9 (8)	19 (6)	6 (6)	8 (4)	2 (6)	6 (6)	57 (6)	107 (5)
	Transfusion	5 (1)	18 (1)	2 (2)	3 (1)	1 (1)	1 (0)	1 (3)	2 (2)	9 (1)	24 (1)
	Perinatal	3 (<1)	10 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	3 (<1)	12 (<1)
	Hemophiliac	5 (1)	13 (1)	1 (1)	4 (1)	1 (1)	2 (1)	0 (0)	0 (0)	7 (1)	19 (<1)
	Undetermined	35 (5)	42 (3)	4 (4)	4 (1)	5 (5)	6 (3)	3 (9)	3 (3)	47 (5)	55 (2)
Total Cases		631	1,678	109	296	109	218	34	98	883	2,290

7/1994 to 6/1999 cases and (%)	631 (71)	109 (12)	109 (12)	34 (4)	883 (100)
Cumulative cases and (%)	1,678 (73)	296 (13)	218 (10)	98 (4)	2,290 (100)
% of population	(75)	(11)	(9)	(5)	(100)

AIDS Cases by Race/Ethnicity Five-Year (July 1994– June 1999)

Race/Ethnicity	Caucasian No. (%)	African American No. (%)	Hispanic No. (%)	Amer.Indian /Alaskan No. (%)	Hawaiian/ Pt. Haw. No. (%)	Filipino No. (%)	Chinese No. (%)	Japanese No. (%)	Other A/PI No. (%)	Total Cases No. (%)
5 year average reporting rate per 100,000 ¹	27.4	30.2	13.5	19.6	13.6	6.3	6.7	3.9	18.5	15.9

5 Year Cases (%)	507 (57)	41 (5)	55 (6)	5 (1)	94 (11)	53 (6)	23 (3)	48 (5)	57 (6)	883 (100)
Cumulative Cases (%)	1462 (64)	97 (4)	116 (5)	11 (0)	233 (10)	114 (5)	51 (2)	105 (5)	101 (4)	2,290 (100)

S E X	Male	476 (94)	39 (95)	50 (91)	5 (100)	80 (85)	45 (85)	21 (91)	47 (98)	48 (84)	811 (92)
	Female	31 (6)	2 (5)	5 (9)	0 (0)	14 (15)	8 (15)	2 (9)	1 (2)	9 (16)	72 (8)

R I S K	Male to Male Sex	378 (75)	23 (56)	39 (71)	3 (60)	64 (68)	36 (68)	19 (83)	33 (69)	38 (67)	633 (72)
	Injection Drug Use	38 (7)	4 (10)	10 (18)	0 (0)	7 (7)	5 (9)	2 (9)	3 (6)	6 (11)	75 (8)
	Male/Male Sex & IDU	36 (7)	4 (10)	2 (4)	1 (20)	5 (5)	2 (4)	0 (0)	2 (4)	0 (0)	52 (6)
	Female Hetero- sexual	16 (3)	1 (2)	4 (7)	0 (0)	8 (9)	4 (8)	1 (4)	0 (0)	6 (11)	40 (5)
	Male Hetero- sexual	7 (1)	2 (5)	0 (0)	0 (0)	4 (4)	0 (0)	0 (0)	1 (2)	3 (5)	17 (2)
	Transfusion	4 (1)	1 (2)	0 (0)	0 (0)	2 (2)	1 (2)	0 (0)	1 (2)	0 (0)	9 (1)
	Perinatal	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	0 (0)	0 (0)	0 (0)	1 (2)	3 (<1)
	Hemophiliac	2 (<1)	1 (2)	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	3 (6)	0 (0)	7 (1)
	Undetermined	26 (5)	5 (12)	0 (0)	1 (20)	1 (1)	5 (9)	1 (4)	5 (10)	3 (5)	47 (5)
5 Year Total Cases		507	41	55	5	94	53	23	48	57	883

¹1990 U.S. Census figures were used to calculate race-specific reporting rates for this five year period (July 1994 -June 1999).

Reporting Requirement. *AIDS case reporting is required by Hawai'i Revised Statutes (HRS) §325-2 and Hawaii new Administrative Rules §11-156-3 for low CD4 values (<200µl/ml or <14% of total lymphocytes). Reporting by name is required at the time a person is diagnosed with AIDS as defined by the Centers for Disease Control and Prevention (revised in January 1993). Information is collected for the advancement of epidemiologic knowledge and handled in strictest confidence in accordance with HRS §325-101. Names and other identifiers are not released. Those required to report include physicians, nurses, infection control practitioners, medical directors, and hospitals. HIV infection in itself is not required to be reported to the Department of Health.*

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AIDS Cases by Risk Factors and Race/Ethnicity

From July 1994 through June 1999 (5 years), 883 AIDS cases were reported in Hawai'i. HIV infection in Hawai'i disproportionately affects certain groups in the population. The figures below detail Hawaii's AIDS cases among the most prevalent risk behaviors by race and ethnicity in past five years.

Figure 1. MSM AIDS Case by Race/Ethnicity, July 1994 - June 1999 (633 Cases)

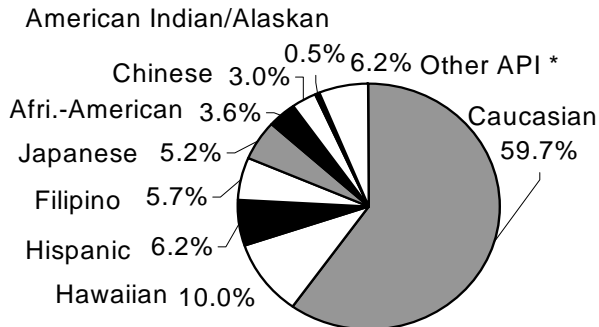


Figure 1. Caucasians comprise the largest racial/ethnic group of men who have sex with men (MSM) AIDS cases (378). Hawaiians comprise the second largest racial/ethnic group of MSM AIDS cases (63).

Figure 2. IDU AIDS Cases by Race/Ethnicity, July 1994-June 1999 (75 Cases)

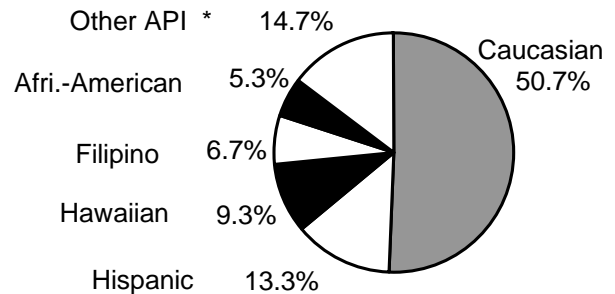


Figure 2. Caucasians comprise the largest racial/ethnic group of injecting drug user (IDU) AIDS cases (38). Hispanics and Hawaiians comprise the second and third largest racial/ethnic groups of IDU AIDS cases (10 and 7) respectively.

Figure 3. MSM/IDU AIDS Cases by Race/Ethnicity, July 1994-June 1999 (51 Cases)

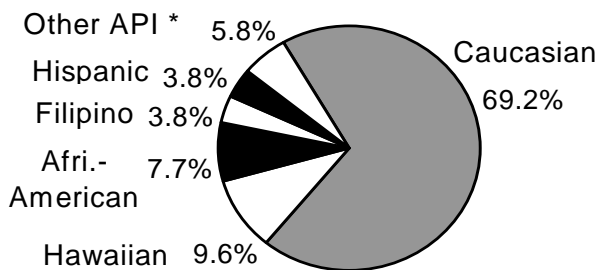


Figure 3. Caucasians comprise the largest racial/ethnic group of MSM/IDU AIDS cases (36).

Figure 4. Heterosexually Acquired AIDS Cases by Race/Ethnicity, July 1994-June 1999 (65 Cases)

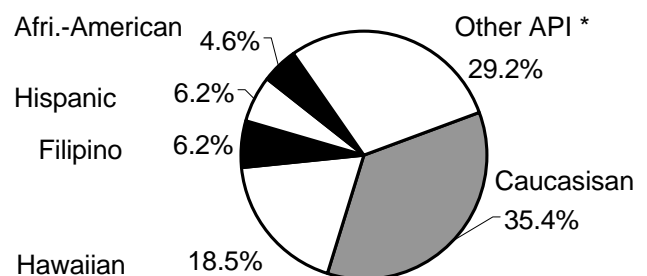


Figure 4. Caucasians comprise a smaller percentage of cases due to heterosexual contact than their percentage of cases due to MSM, IDU and MSM/IDU. Hawaiians have a higher percentage of cases due to heterosexual contact than their percentage of cases due to MSM, IDU, and MSM/IDU.

The number of AIDS cases due to transfusion (9), perinatal transmission (3), hemophiliac (7) or undetermined (47) by race/ethnicity is small and no further detailed analysis is made.

* Other API refer to the persons who are Asian and Pacific Islanders and are not shown in the figure, such as Korean, Samoan, Guamanian, Asian Indian, Micronesia and so on. Because of the small number of AIDS cases for each group, the groups are summed up together as shown.

AIDS Surveillance Quarterly Report

Hawai'i Department of Health

Cases to September 30, 1999

AIDS IN HAWAII	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
Cases by year of report	630	194	131	373	238	222	192	98	167	70	2,315	100%

SEX	Male	610	186	123	349	223	209	171	87	150	69	2,177	94%
	Female	20	8	8	24	15	13	21	11	17	1	138	6%

AGE	<13	2	5	0	4	2	0	1	0	1	0	15	<1%
	13-19	1	0	0	3	1	0	0	1	1	0	7	<1%
	20-29	115	32	20	44	26	19	27	5	13	5	306	13%
	30-39	281	83	54	165	116	95	81	44	82	30	1,031	45%
	40-49	172	55	36	118	61	80	69	30	49	26	696	30%
	>49	59	19	21	39	32	28	14	18	21	9	260	11%

RACE	Caucasian	459	133	85	225	140	143	103	47	101	45	1,481	64%
	Asian/Pacific Islander	121	46	37	108	75	50	70	42	41	17	607	26%
	African-American	21	7	5	17	10	13	9	3	9	4	98	4%
	Hispanic	25	8	4	21	11	16	10	6	13	4	118	5%
	American Indian/Alaskan	4	0	0	2	2	0	0	0	3	0	11	<1%

RISK	Male to Male Sex	508	157	102	294	185	165	132	66	116	50	1,775	77%
	Injection Drug Use	30	10	12	28	12	22	14	10	19	5	162	7%
	Male/Male Sex & IDU	60	15	9	17	15	15	16	5	4	2	158	7%
	Female Heterosexual	6	2	4	18	7	6	14	8	8	0	73	3%
	Male Heterosexual	4	1	2	7	5	4	3	3	4	1	34	1%
	Transfusion	10	2	1	1	3	0	2	2	3	0	24	1%
	Perinatal	1	5	0	2	2	0	1	0	1	0	12	<1%
	Hemophiliac	5	1	1	5	1	2	2	1	1	0	19	<1%
	Undetermined	6	1	0	1	8	8	8	3	11	12	58	2%

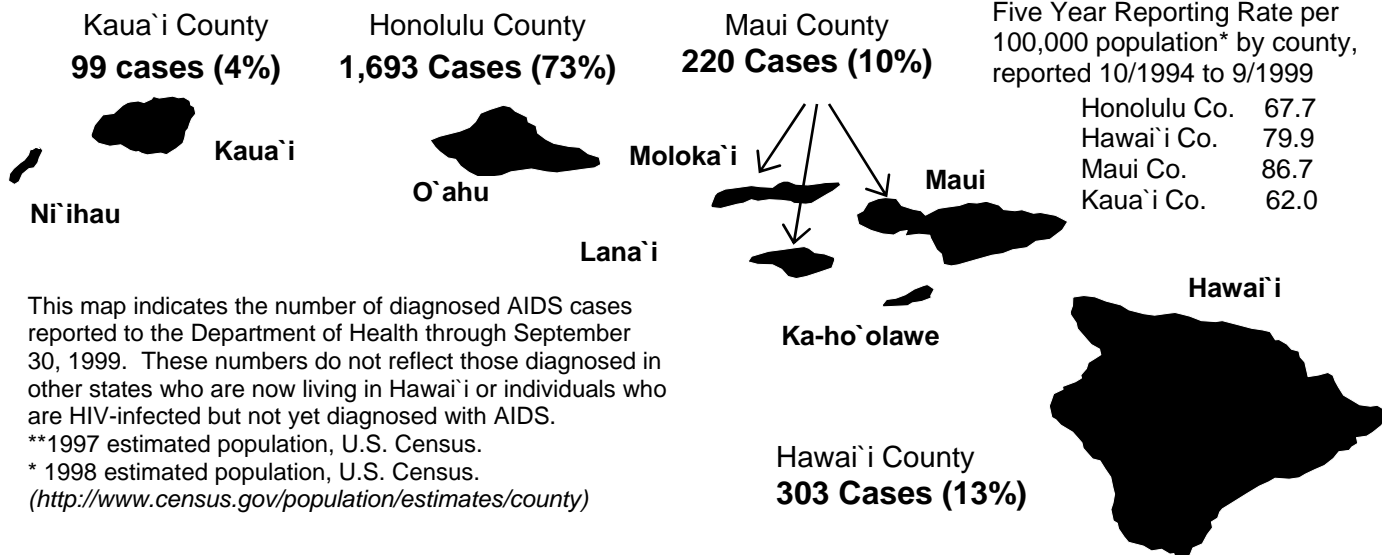
Year of report	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
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*Note: 1993 and after reflect the expanded CDC case definition for AIDS, which includes HIV infection and low CD4 values (<200 cells/ul or <14% of total lymphocytes) or three new clinical conditions — pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer in addition to the 23 original clinical conditions.

AIDS Surveillance Program, 3627 Kilauea Avenue Room 306, Honolulu, Hawaii 96816, (808) 733-9010, 733-9015 (Fax)
http://mano.icsd.hawaii.gov/doh/resource/comm_dis/std_aids/aids_rep/

County Report

Cumulative Cases (1982 – September 30, 1999)



Cumulative Hawai'i AIDS cases reported 1982 to September 30, 1999 2,315 Known Deaths (61%) 1,406

AIDS Cases by County: Five-year (October 1994 - September 1999) and Cumulative Total (1982 – September 1999)

County		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co.		Statewide	
		5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total	5-Year	Cum. Total
		No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)	No. (%)
SEX	Male	557 (92)	1,597 (94)	101 (89)	277 (92)	96 (93)	210 (95)	32 (91)	93 (94)	786 (92)	2,177 (94)
	Female	49 (8)	96 (6)	12 (11)	26 (8)	7 (7)	10 (5)	3 (9)	6 (6)	71 (8)	138 (6)

RISK	Male to Male Sex	429 (71)	1,314 (78)	78 (69)	212 (70)	81 (77)	171 (78)	26 (74)	78 (79)	614 (72)	1,775 (77)
	Injection Drug Use	55 (9)	110 (6)	9 (8)	32 (11)	6 (6)	10 (5)	3 (9)	7 (7)	73 (8)	162 (7)
	Male/Male Sex & IDU	37 (6)	110 (7)	9 (8)	26 (9)	4 (5)	22 (10)	0 (0)	3 (3)	50 (6)	158 (7)
	Heterosexual Contact	39 (6)	74 (4)	9 (8)	19 (6)	5 (6)	8 (4)	2 (6)	6 (6)	55 (6)	107 (5)
	Transfusion	5 (1)	18 (1)	2 (2)	3 (1)	1 (1)	1 (0)	1 (3)	2 (2)	9 (1)	24 (1)
	Perinatal	3 (<1)	10 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	3 (<1)	12 (<1)
	Hemophiliac	4 (1)	13 (1)	1 (1)	4 (1)	1 (1)	2 (1)	0 (0)	0 (0)	6 (1)	19 (<1)
	Undetermined	34 (6)	44 (3)	5 (4)	5 (1)	5 (5)	6 (3)	3 (9)	3 (3)	47 (5)	58 (2)
Total Cases		606	1,693	113	303	103	220	35	99	857	2,315

10/1994 to 9/1999 cases and (%)	606 (71)	113 (13)	103 (12)	35 (4)	857 (100)
Cumulative cases and (%)	1,693 (73)	303 (13)	220 (10)	99 (4)	2,315 (100)
Population (%)*	872,478 (73)	143,135 (12)	120,785 (10)	56,603 (5)	1,193,001 (100)

AIDS Cases by Race/Ethnicity

Five – Year (October 1994 – September 1999)

Race/Ethnicity	Caucasian No. (%)	African American No. (%)	Hispanic No. (%)	Amer.Indian /Alaskan No. (%)	Hawaiian/ Pt. Haw. No. (%)	Filipino No. (%)	Chinese No. (%)	Japanese No. (%)	Other A/PI No. (%)	Total Cases No. (%)
5 year reporting rate per 100,000 ¹	133.9	147.1	68.8	19.1	64.1	31.4	29.1	21.4	86.1	77.3

5 Year Cases %	495 (58)	40(5)	56 (6)	5 (<1)	89 (10)	53 (6)	20 (3)	46 (5)	53 (6)	857 (100)
Cumulative Cases (%)	1,481(64)	98 (4)	118 (5)	11 (<1)	235 (10)	115 (5)	51 (2)	105 (5)	101 (4)	2,315(100)

S E X	Male	465 (94)	38 (95)	51 (91)	5 (100)	74 (83)	46 (85)	21 (91)	45 (98)	44 (83)	786 (92)
	Female	30 (6)	2 (5)	5 (9)	0 (0)	15 (17)	7 (15)	2 (9)	1 (2)	9 (17)	71 (8)

R I S K	Male to Male Sex	371 (75)	23 (56)	39 (71)	3 (60)	58 (68)	37 (68)	16 (83)	33 (69)	34 (67)	614 (72)
	Injection Drug Use	38 (7)	4 (10)	10 (18)	0 (0)	7 (7)	4 (9)	2 (9)	2 (6)	6 (11)	73 (8)
	Male/Male Sex & IDU	34 (7)	4 (10)	2 (4)	1 (20)	5 (5)	2 (4)	0 (0)	2 (4)	0 (0)	50 (6)
	Female Heterosexual	15 (3)	1 (2)	4 (7)	0 (0)	8 (9)	4 (8)	1 (4)	0 (0)	6 (11)	39 (5)
	Male Heterosexual	6 (1)	2 (5)	0 (0)	0 (0)	4 (4)	0 (0)	0 (0)	1 (2)	3 (5)	16 (2)
	Transfusion	4 (1)	1 (2)	0 (0)	0 (0)	2 (2)	1 (2)	0 (0)	1 (2)	0 (0)	9 (1)
	Perinatal	0 (0)	0 (0)	0 (0)	0 (0)	2 (2)	0 (0)	0 (0)	0 (0)	1 (2)	3 (<1)
	Hemophiliac	2 (<1)	1 (2)	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	2 (6)	0 (0)	6 (1)
	Undetermined	25 (5)	4 (12)	1 (2)	1 (20)	2 (1)	5 (9)	1 (4)	5 (10)	3 (5)	47 (5)
5 Year Total Cases		495	40	56	5	89	53	20	46	53	857

¹1990 U.S. Census figures were used to calculate race-specific reporting rates for this five year period (10/1994 – 9/1999).

Reporting Requirement. *AIDS case reporting is required by Hawaii's Revised Statutes (HRS) §325-2 and Hawaii's new Administrative Rules §11-156-3 for low CD4 values (<200 cells/ul or <14% of total lymphocytes). Reporting by name is required at the time a person is diagnosed with AIDS as defined by the Centers for Disease Control and Prevention (revised in January 1993). Information is collected for the advancement of epidemiologic knowledge and handled in strictest confidence in accordance with HRS §325-101. Names and other identifiers are not released. Those required to report include physician*

Questions regarding forms, reporting requirements, or this report may be directed to the AIDS Surveillance Program at (808) 733-9010 or (808) 733-9015 (fax).

A Five Year Review, 1994-1998

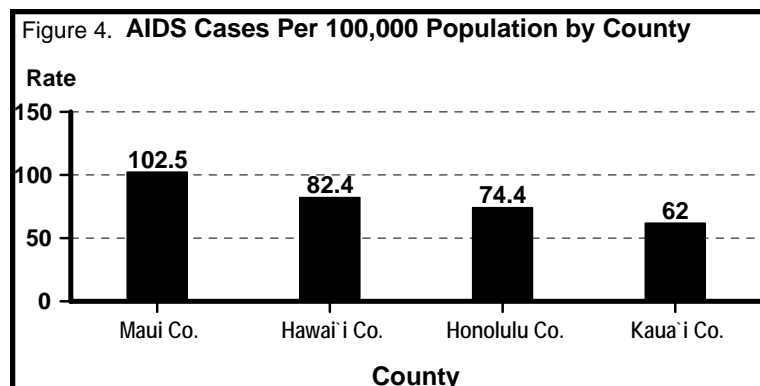
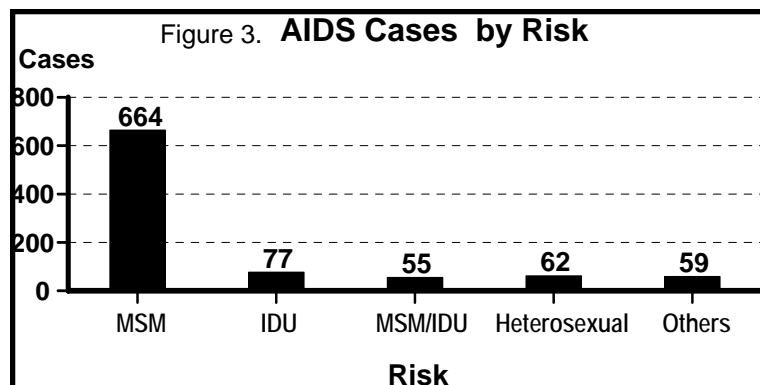
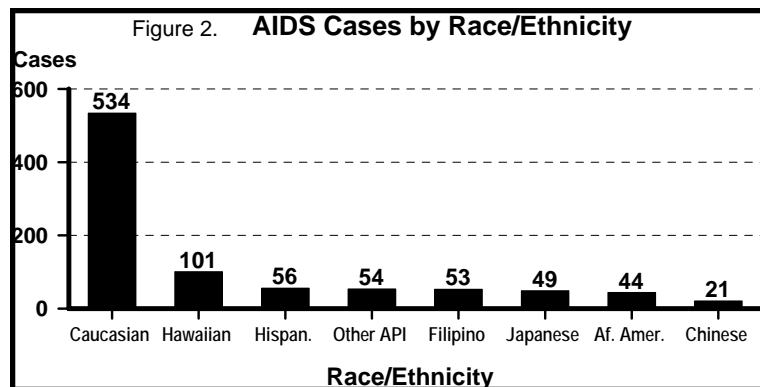
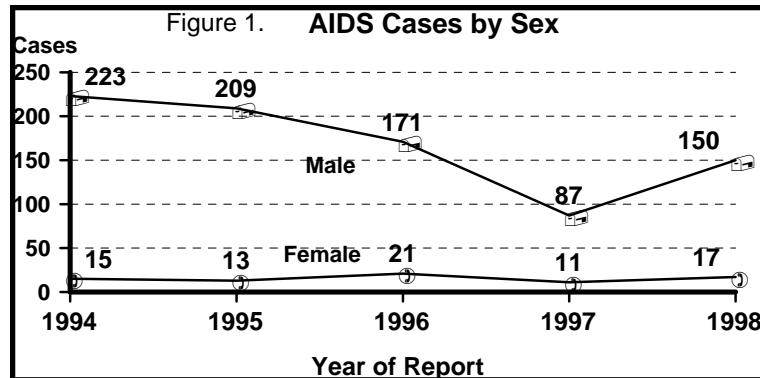
During past five year period (1994-1998), 917 cases of AIDS were reported to the AIDS Surveillance Program. Of these, 91.6 % (840 cases) were male and 8.3% (77 cases) were female. Figure 1 shows the AIDS cases by sex from 1994 to 1998. The number of AIDS cases for males has decreased since 1994. The increased number of AIDS cases in 1998 may have been due to the change in reporting requirements. As of January 1998, laboratories in Hawaii are required to report low CD4 levels (CD4 levels <200 cells/ul and <14% of total lymphocytes) to the AIDS Surveillance Program.

Figure 2 shows AIDS cases by race/ethnicity. During this period, most of the cases were among Caucasians (58.2%, 534 cases). The second largest number of AIDS cases was in the Hawaiian/part Hawaiian group (11.0%, 101 cases). The third largest AIDS group was Hispanic with 6.1% (56 cases), followed by Other Asian Pacific Islander, which includes a number of specific groups that each have too few cases to be shown separately.

Figure 3 shows reported AIDS cases by risk. Most AIDS cases were associated with men having sex with men (MSM) or with MSM/IDU (injection drug use), or with IDU. The proportion of cases attributed to heterosexual exposure is relatively small.

Figure 4 shows the AIDS case rate by county from 1994 to 1998. Although most of the AIDS cases were diagnosed in Honolulu county (70.7%, 649 cases), based on population in each county, Maui county has the highest AIDS rate. Hawaii county has the second highest rate for AIDS cases.

Most AIDS cases were reported in the 30-39 (45.5%, 418 cases) age group. The second largest group of AIDS cases was in the 40-49 (31.5%, 289 cases) age group.



AIDS Surveillance Quarterly Report

Hawai'i Department of Health

Cases to December 31, 1999

AIDS IN HAWAII	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
Cases by year of report	630	194	131	373	238	222	192	98	164	104	2,346	100%

SEX	Male	610	186	123	349	223	209	171	87	147	96	2,201	94%
	Female	20	8	8	24	15	13	21	11	17	8	145	6%

AGE	<13	2	5	0	4	2	0	1	0	1	0	15	<1%
	13-19	1	0	0	3	1	0	0	1	1	0	7	<1%
	20-29	115	32	20	44	26	19	27	5	13	6	307	13%
	30-39	281	83	54	165	116	95	81	44	80	45	1,044	45%
	40-49	172	55	36	118	61	80	69	30	48	39	708	30%
	>49	59	19	21	39	32	28	14	18	21	14	265	11%

RACE	Caucasian	459	133	85	225	140	143	103	47	98	65	1,498	64%
	Asian/Pacific Islander	121	46	37	108	75	50	70	42	41	27	617	26%
	African-American	21	7	5	17	10	13	9	3	9	7	101	4%
	Hispanic	25	8	4	21	11	16	10	6	13	5	119	5%
	American Indian/Alaskan	4	0	0	2	2	0	0	0	3	0	11	<1%

RISK	Male to Male Sex	508	157	102	294	185	165	132	66	113	71	1,793	77%
	Injection Drug Use	30	10	12	28	12	22	14	10	19	5	162	7%
	Male/Male Sex & IDU	60	15	9	17	15	15	16	5	4	5	161	7%
	Female Heterosexual	6	2	4	18	7	6	14	8	8	1	74	3%
	Male Heterosexual	4	1	2	7	5	4	3	3	4	4	37	1%
	Transfusion	10	2	1	1	3	0	2	2	3	1	25	1%
	Perinatal	1	5	0	2	2	0	1	0	1	0	12	<1%
	Hemophiliac	5	1	1	5	1	2	2	1	1	0	19	<1%
	Undetermined	6	1	0	1	8	8	8	3	11	17	63	2%

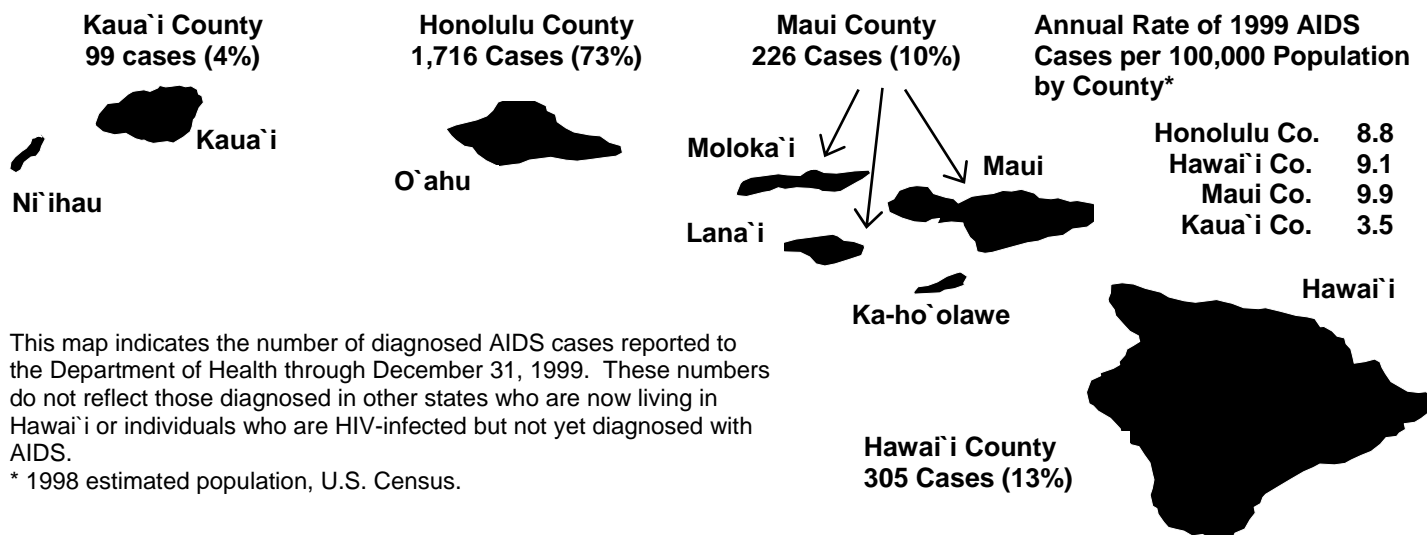
Year of report	82-90	1991	1992	1993*	1994	1995	1996	1997	1998	1999	TOTAL	%
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*Note: 1993 and after reflect the expanded CDC case definition for AIDS, which includes HIV infection and low CD4 values (<200/ μ l or <14% of total lymphocytes) or three new clinical conditions — pulmonary tuberculosis, recurrent pneumonia, invasive cervical cancer in addition to the 23 original clinical conditions.

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[Http://mano.icsd.hawaii.gov/doh/resource/comm_dis/std_aids/aids_rep](http://mano.icsd.hawaii.gov/doh/resource/comm_dis/std_aids/aids_rep)

County Report

Cumulative Cases (1982 – December 31, 1999)



Cumulative Hawai'i AIDS cases reported 1982 to December 31, 1999	2,346	Known Deaths (%)	1,414 (60%)
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AIDS Cases by County: Five-year (1995 - 1999) and Cumulative Total (1982 – December 1999)

County		Honolulu Co.		Hawai'i Co.		Maui Co.		Kaua'i Co		Statewide	
		5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total	5-Year	Cum.Total
SEX	Male	504 (91)	1,616 (94)	86 (88)	277 (91)	91 (94)	215 (95)	29 (91)	93 (94)	710 (91)	2,201 (94)
	Female	49 (9)	100 (6)	12 (12)	28 (9)	6 (6)	11 (5)	3 (9)	6 (6)	70 (9)	145 (6)

RISK	Male to Male Sex	384 (69)	1,328 (77)	64 (65)	212 (70)	76 (78)	175 (77)	23 (72)	78 (79)	547 (70)	1,793 (76)
	Injection Drug Use	53 (10)	112 (7)	8 (8)	32 (10)	6 (6)	11 (5)	3 (9)	7 (7)	70 (9)	162 (7)
	Male/Male Sex & IDU	33 (6)	110 (6)	8 (8)	26 (9)	4 (4)	22 (10)	0 (0)	3 (3)	45 (6)	161 (7)
	Heterosexual Contact	41 (7)	78 (5)	8 (8)	19 (6)	4 (4)	8 (4)	2 (6)	6 (6)	55 (7)	111 (5)
	Transfusion	4 (1)	19 (1)	2 (2)	3 (1)	1 (1)	1 (0)	1 (3)	2 (2)	8 (1)	25 (1)
	Perinatal	2 (<1)	10 (1)	0 (0)	2 (1)	0 (0)	0 (0)	0 (0)	0 (0)	2 (<1)	12 (<1)
	Hemophiliac	4 (1)	13 (1)	1 (1)	4 (1)	1 (1)	2 (1)	0 (0)	0 (0)	6 (1)	19 (<1)
	Undetermined	32 (6)	46 (3)	7 (7)	7 (2)	5 (5)	7 (3)	3 (9)	3 (3)	47 (6)	63 (3)
Total Cases		553	1,716	98	305	97	226	32	99	780	2,346

1/95 to 12/99 cases and (%)	553 (71)	98 (13)	97 (12)	32 (4)	780 (100)
Cumulative cases and (%)	1,716 (73)	305 (13)	226 (10)	99 (4)	2,346 (100)
% of population	(75)	(11)	(9)	(5)	(100)

AIDS Cases by Race/Ethnicity

Five -Year (1995 – 1999)

Race/Ethnicity	Caucasian No. (%)	African American No. (%)	Hispanic No. (%)	Amer.Indian /Alaskan No. (%)	Hawaiian/ Pt. Haw. No. (%)	Filipino No. (%)	Chinese No. (%)	Japanese No. (%)	Other A/PI No. (%)	Total Cases No. (%)
5 year average reporting rate per 100,000 ¹	24.7	30.2	12.5	11.8	11.1	6.0	5.8	3.1	14.3	14.1

5 Year Cases (%)	456 (58)	41 (5)	50 (6)	3 (<1)	77 (10)	51 (7)	20 (3)	38 (5)	44 (6)	780 (100)
Cumulative Cases (%)	1,498 (64)	101 (4)	119 (5)	11 (<1)	239 (10)	118 (5)	51 (2)	105 (4)	104 (4)	2,346 (100)

S E X	Male	428 (94)	37 (90)	45 (90)	3 (100)	61 (79)	44 (86)	18 (90)	37 (97)	37 (84)	710 (91)
	Female	28 (6)	4 (10)	5 (10)	0 (0)	16 (21)	7 (14)	2 (10)	1 (3)	7 (16)	70 (9)

R I S K	Male to Male Sex	341 (75)	22 (54)	32 (64)	1 (33)	47 (61)	35 (69)	16 (80)	27 (71)	26 (59)	547 (70)
	Injection Drug Use	35 (8)	5 (12)	10 (20)	0 (0)	7 (9)	4 (8)	2 (10)	2 (5)	5 (11)	70 (9)
	Male/Male Sex & IDU	30 (7)	4 (10)	2 (4)	1 (33)	4 (5)	2 (4)	0 (0)	2 (5)	0 (0)	45 (6)
	Female Hetero- sexual	14 (3)	1 (2)	4 (8)	0 (0)	7 (9)	4 (8)	1 (5)	0 (0)	6 (14)	37 (5)
	Male Hetero- sexual	5 (1)	3 (7)	1 (0)	0 (0)	4 (5)	0 (0)	0 (0)	1 (3)	4 (9)	18 (2)
	Transfusion	4 (1)	1 (2)	0 (0)	0 (0)	2 (3)	1 (2)	0 (0)	0 (0)	0 (0)	8 (1)
	Perinatal	0 (0)	0 (0)	0 (0)	0 (0)	2 (3)	0 (0)	0 (0)	0 (0)	0 (0)	2 (<1)
	Hemophiliac	2 (<1)	1 (2)	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	2 (5)	0 (0)	6 (1)
	Undetermined	25 (5)	4 (10)	1 (2)	1 (33)	3 (4)	5 (10)	1 (5)	4 (11)	3 (7)	47 (6)
5 Year Total Cases		456	41	50	3	77	51	20	38	44	780

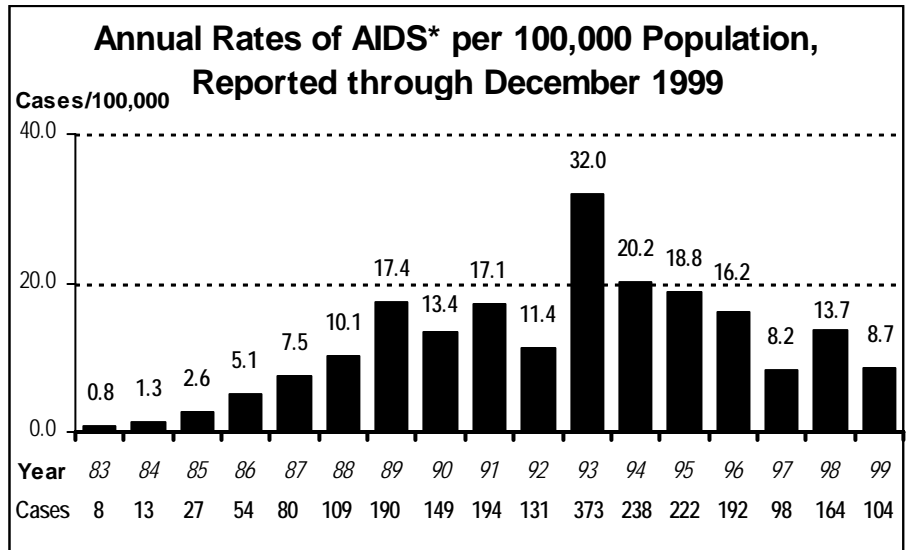
¹1990 U.S. Census figures were used to calculate race-specific reporting rates for this five year period (1995 – 1999).

Reporting Requirement. *AIDS case reporting is required by Hawai'i Revised Statutes (HRS) §325-2 and Hawaii new Administrative Rules §11-156-3 for low CD4 values (<200µl/ml or <14% of total lymphocytes). Reporting by name is required at the time a person is diagnosed with AIDS as defined by the Centers for Disease Control and Prevention (revised in January 1993). Information is collected for the advancement of epidemiologic knowledge and handled in strictest confidence in accordance with HRS §325-101. Names and other identifiers are not released. Those required to report include physicians, nurses, infection control practitioners, medical directors, and hospitals. HIV infection in itself is not required to be reported to the Department of Health.*

Questions regarding forms, reporting requirements, or this report may be directed to the AIDS Surveillance Program at (808) 733-9010 or (808) 733-9015 (fax).

AIDS Incidence in Hawai'i

As of December 31, 1999, 2,346 AIDS cases have been reported in Hawai'i. The figure below shows the numbers of AIDS cases and the annual rates per 100,000 population. From 1983 through 1989, the annual rates of AIDS increased gradually from 0.8 (8 cases) to 17.4 (190 cases). Between 1989 and 1992, it fluctuated from a high of 17.4 (190 cases) to a low of 11.4 (131 cases). In 1993, the high annual rate (32.0, 373 cases) was partially due to the change in CDC's case definition of AIDS. Since 1993, the annual rate decreased gradually to 8.2 (98 cases) in 1997. The decrease of the annual rate was partially the result of new successful treatment therapies. The annual rate of AIDS increased in 1998 (13.7, 164 cases) as a result of a change in Hawaii's Administrative Rules, which now requires the laboratory reporting of low CD4 results to the Department of Health. The annual rate declined again in 1999 with an annual rate at 8.7 per 100,000 population and 104 cases.



* Population estimates released on June 15, 1999 and September, 1995 are from U.S. Census Bureau, Washington, D.C. <http://www.census.gov/population/estimates/state>

AIDS Prevalence in Hawai'i

The number of persons living with AIDS represents the prevalence of AIDS. As of September 30, 1999, the known prevalence of AIDS cases (reported with vital status "alive" and living with AIDS) in Hawai'i was 902 persons, of which were 826 male and 68 female. The prevalence rate per 100,000 population was 75.6 on September 30, 1999. Most of the known prevalent AIDS cases (412, 46%) were between age 30-39 at diagnosis. The table shows selected characteristics of the known prevalent AIDS cases through September 1999:

- ♦ **Race/ethnicity:** Caucasians have the highest number of cases (577, 64.0%). Hawaiians rank second with 73 cases (8.1%).
- ♦ **Risk behaviors:** The primary risk behavior is men who have sex with men: 651 (72.2%) of the cases. The second and third highest risk behaviors are injecting drug use (76, 8.4%) and men who have sex with men and inject drugs (71, 7.9%). Heterosexual contact accounts for 56 (6.2%) of the cases.
- ♦ **County:** Honolulu has the highest percentage (68.1%) of known prevalent cases. However, Hawaii County has the highest prevalence rate (98.5) per 100,000 population. The other prevalence rates are: Maui 92.0, Honolulu 70.4 and Kauai 63.6 per 100,000 population.

** 1998 estimated population, U.S. Census. <http://www.census.gov/population/estimates/county>

Known Prevalent AIDS Cases by Selected Characteristic, Reported through September, 1999 Total = 902

Race/Ethnicity	N	%
Caucasian	577	64.0
Hispanic	64	5.5
African American	50	7.1
Asian and Pacific Islanders	206	22.8
<i>Hawaiian</i>	73	8.1
<i>Filipino</i>	49	5.4
<i>Japanese</i>	32	3.5
<i>Chinese</i>	19	2.1
<i>Other API</i>	33	3.7
Other	5	0.6
Risk Behaviors	N	%
Men who have sex with men (MSM)	651	72.2
Injection Drug Use (IDU)	76	8.4
MSM & IDU	71	7.9
Heterosexual	56	6.2
Transfusion	10	1.1
Perinatal	5	0.6
Hemophilia	6	0.7
Undetermined	27	3.0
County	N	%
Honolulu	614	68.1
Hawaii	141	15.6
Maui	111	12.3
Kauai	36	4.0